PATENT COOPERATION TREATY

| | From the | NTERNATIONAL BU | REAU |
|--|-------------------------------------|---|--------------------------|
| PCT | То: | | |
| NOTIFICATION OF THE RECORDING OF A CHANGE (PCT Rule 92bis.1 and Administrative Instructions, Section 422) Date of mailing (day/month/year) 28 février 2002 (28.02.02) | INC. Patenta Klybec CH-405 | CIBA SPECIALTY CHEMICALS HOLDING INC. Patentabteilung Klybeckstrasse 141 CH-4057 Basle SUISSE | |
| Applicant's or agent's file reference | | IMPORTANT NOTIF | ICATION |
| HF/2-22104/P | | | |
| International application No. PCT/EP00/09394 | | filing date (day/month/ye tembre 2000 (26.09.0 | |
| The following indications appeared on record concerning: X the applicant X the inventor | the agent | the commo | n representative |
| Name and Address | 1 | State of Nationality DE | State of Residence DE |
| GORETZKI, Ralf Berliner Allee 22B 86153 Augsburg | <u> </u> | Telephone No. | |
| Germany | - | Facsimile No. | |
| in the property of a section | | Teleprinter No. | |
| 2. The International Bureau hereby notifies the applicant that t | ne following cl | nange has been recorded o | concerning: |
| the person the name X the add | | the nationality | the residence |
| Name and Address | | State of Nationality DE | State of Residence DE |
| GORETZKI, Ralf Kornstrasse 9a 86391 Stadtbergen | - | Telephone No. | |
| Germany & Source of the Control of t | | Facsimile No. | |
| | | Teleprinter No. | |
| 3. Further observations, if necessary: | | | |
| 4. A copy of this notification has been sent to: | | | |
| X the receiving Office | | the designated Offices | concerned |
| the International Searching Authority | <u> </u> | the elected Offices con | cerned |
| the International Preliminary Examining Authority | | other: | |
| The International Bureau of WIPO | Authorized o | | |
| 34, chemin des Colombettes 1211 Geneva 20, Switzerland | | Sangeeta JA | IYA |
| Facsimile No.: (41-22) 740.14.35 | Telephone N | o.: (41-22) 338.83.38 | |

PALENT COOPERATION TREAT.

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202

05 October 1999 (05.10.99)

| Date of mailing (day/month/year) 07 June 2001 (07.06.01) | ETATS-UNIS D'AMERIQUE in its capacity as elected Office |
|--|---|
| International application No. PCT/EP00/09394 | Applicant's or agent's file reference HF/2-22104/P |
| International filing date (day/month/year) | Priority date (day/month/year) |

Applicant

KVITA, Petr et al

26 September 2000 (26.09.00)

والمالية والمستهدية للطال المعارض أتحاله

| 1. | The designated Office is hereby notified of its election made: |
|----|---|
| | X in the demand filed with the International Preliminary Examining Authority on: |
| 1 | 27 March 2001 (27.03.01) |
| | in a notice effecting later election filed with the International Bureau on: |
| | |
| 2. | The election X was |
| | made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b). |
| | |
| | |
| | |
| | entrophie auch in Situation of |

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland **Authorized officer**

Olivia TEFY

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35



| HECD | 1 | / | JAN | 2002 |
|---------|---|---|-----|-------|
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2

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

| | | | _ | | | | |
|-----------------------|---|---|------------------------------------|-------------------|---|--|--|
| Applicant's | Ŭ | ent's file reference | FOR FURTHER ACTION | | cation of Transmittal of International ry Examination Report (Form PCT/IPEA/416) | | |
| Internation | al app | lication No. | International filing date (day/mor | nth/vear) | Priority date (day/month/year) | | |
| PCT/EP | | | 26/09/2000 | , | 05/10/1999 | | |
| | | | | | 100,100 | | |
| I . | International Patent Classification (IPC) or national classification and IPC C11D3/37 | | | | | | |
| | | | | | | | |
| A 1 A | | | | | | | |
| Applicant | | | | | | | |
| CIBA SP | ECIA | ALTY CHEMICALS HO | LDING INC. et al. | | | | |
| | | ational preliminary exami smitted to the applicant a | | ed by this Int | ernational Preliminary Examining Authority | | |
| 2. This I | REPO | ORT consists of a total of | 7 sheets, including this cover | sheet. | | | |
| | | | | | | | |
| b | een a | mended and are the bas | | containing re | on, claims and/or drawings which have ectifications made before this Authority he PCT). | | |
| Those | 220 | avas consist of a total of | chasta | | | | |
| rnes | e ann | exes consist of a total of | sneets. | | | | |
| | | | | | | | |
| 3. This r | eport | contains indications relat | ting to the following items: | | | | |
| | - | | | | | | |
| l | × | Basis of the report | | | | | |
| | | Priority | | | | | |
| III IV | | Lack of unity of inventio | pinion with regard to novelty, in | iventive step | and industrial applicability | | |
| V | ⊠ | • | | novelty inv | entive step or industrial applicability; | | |
| • | _ | | ns suporting such statement | , 110 toky, 111 t | onave step of medicinal applicability, | | |
| VI | | Certain documents cite | d | | | | |
| VII | | Certain defects in the in | ternational application | | | | |
| VIII | | Certain observations on | the international application | | | | |
| | | | | | | | |
| | | | | | | | |
| Date of sub | missio | on of the demand | Date o | f completion of | f this report | | |
| 27/03/2001 15.01.2002 | | | | | | | |
| | | g address of the international ning authority: | Author | ized officer | BONDOG MILICIA | | |
| <u>a))</u> | D-80 | pean Patent Office 0298 Munich | Pfanı | nenstein, H | (ES) | | |
| | | +49 89 2399 - 0 Tx: 523656 +49 89 2399 - 4465 | · | one No. +49 8 | 9 2399 8217 | | |

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/09394

| l. | Bas | is of | the | report |
|----|-----|-------|-----|--------|
|----|-----|-------|-----|--------|

| 1. | the and | receivina Office in re | ents of the international application (Replacement sheets which have been furnished to esponse to an invitation under Article 14 are referred to in this report as "originally filed" this report since they do not contain amendments (Rules 70.16 and 70.17)): |
|----|--------------|--|--|
| | 1-32 | 2 | as originally filed |
| | Cla | ims, No.: | |
| | 1-2 | 1 . | as originally filed |
| 2. | With | n regard to the lang u guage in which the ir | age, all the elements marked above were available or furnished to this Authority in the ternational application was filed, unless otherwise indicated under this item. |
| | | | vailable or furnished to this Authority in the following language: , which is: |
| | | • • | anslation furnished for the purposes of the international search (under Rule 23.1(b)). |
| | | the language of a tr 55.2 and/or 55.3). | anslation furnished for the purposes of international preliminary examination (under Rule |
| 3. | With inte | n regard to any nucl rnational preliminary | eotide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing: |
| | | contained in the inte | ernational application in written form. |
| | | filed together with the | ne international application in computer readable form. |
| | | furnished subseque | ently to this Authority in written form. |
| | | furnished subseque | ently to this Authority in computer readable form. |
| | | | the subsequently furnished written sequence listing does not go beyond the disclosure in plication as filed has been furnished. |
| | | The statement that listing has been fur | the information recorded in computer readable form is identical to the written sequence nished. |
| 4. | The | amendments have | resulted in the cancellation of: |
| | | the description, | pages: |
| | | the claims, | Nos.: |
| | | the drawings, | sheets: |
| 5. | | | en established as if (some of) the amendments had not been made, since they have been eyond the disclosure as filed (Rule 70.2(c)): |

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/09394

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

| 6. | Ado | ditional observations, if ne | ecessar | y: | |
|----|------|---|-------------|------------------|--|
| | | ck of unity of invention | | | |
| 1. | in r | esponse to the invitation | to restri | ct or pay | additional fees the applicant has: |
| | | restricted the claims. | | | |
| | | paid additional fees. | | | |
| | | paid additional fees und | ler prote | est. | |
| | × | neither restricted nor pa | id addit | ional fees | 3. |
| 2. | | This Authority found tha 68.1, not to invite the ap | | | t of unity of invention is not complied and chose, according to Rule or pay additional fees. |
| 3. | This | s Authority considers that | t the rec | uirement | of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is |
| | | complied with. | | | · |
| | | not complied with for the | e followi | ing reaso | ns: |
| 4. | | nsequently, the following mination in establishing t | | | national application were the subject of international preliminary |
| | | all parts. | | | |
| | × | the parts relating to claim | ms Nos. | . in part 1 | -15,17-21 . |
| V. | | asoned statement under tions and explanations | | | ith regard to novelty, inventive step or industrial applicability; |
| 1. | Stat | tement | | | |
| | Nov | velty (N) | Yes: No: | Claims Claims | 4-6 1-3,7-15,17-21 |
| | Inve | entive step (IS) | Yes: No: | Claims Claims | 1-15,17-21 |
| | Indi | ustrial applicability (IA) | Yes: No: | Claims Claims | 1-15,17-21 |
| | | | | | |

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/09394

2. Citations and explanations see separate sheet

Re Item IV

Compounds A, B and C are as defined in claim 1 of the present application.

Claim 1 of the present application appears to known from US-A-3992332 (D1) and US-A-5830843 (D2). Both describe a method of use of fabric softening compositions in domestic applications for antipilling of fabrics.

In D1 (claims, col.2) these compositions are aqueous and comprise A) phosphate surfactant, B) fatty acid alkanol amide and C) dispersed polyoxyethylene dimethylpolysiloxane or polyoxyethylene polyoxypropylene dimethylpolysiloxane. In D2 (examples, col.19) these compositions are aqueous and comprise A) a quaternary ammonium compound, B) polyethylene and C) silicon anti foam probably (dispersed dimethylpolysiloxanes).

Also, in case if compound C is really different, compounds A and B are clearly described therein.

Furthermore, EP-A-397245 (example XVIII) and EP-A-150872 (page 18) exemplify softener compositions comprising A, B and C.

The single general inventive concept of present claim 1 is therefore known.

There are, therefore, at least four (4) different groups of inventions according to the four quite different compounds B according to claim 1.

- 1) A + C + polyethylene (B1)
- 2) A + C + fatty acid alkanolamide (B2)
- 3) A + C + polysilicic acid (B3)
- 4) A + C + polyurethane (B4)

It should also be taken into account that there are four different compounds C according to claim 1, and the softening agents may be also many quite different compounds (from the quaternary ammonium compound to mineral oil) according to the description.

(In the examples of the application one softener type and B1 or B2 are used.)

Re item V

- 1) The examination relates to the first subject-matter of the claims as described above comprising the compounds A, B1 and C.
- 2) Reference is made to the following documents:
 - D1 US-A-3992332
 - D2 US-A-5830843
 - D3 GB-A-2281316
 - D4 EP-A-459822.
- 3) D2 (examples, col.19) describes a method of use of a composition for antipilling treatment for fabrics. The composition is aqueous and comprises a quaternary ammonium compound, polyethylene and siloxane anti foam which usually comprises dispersed dimethylpolysiloxane. Thus it is not clear if claim 1 and D2 are really different. Thus, the subject-matter of claims 1-3,7-15,17-21 is not novel.

If novelty can be demonstrated no inventive step can be acknowledged. The treated fabrics in D2 already show good pilling properties. The problem of the present application is, therefore, to find an alternative.

The use of dispersed polysiloxanes in softener compositions is known, see e.g. D4 (claims, examples). An effect over D2 has not been demonstrated. Thus, the subject-matter of the claims is not inventive.

- 4) D3 (claims, bridging par. of pages 12-13) describes a method of use of a composition for antipilling treatment of fabrics. Said aqueous compositions comprise quaternary ammonium compounds and polyethylene. Claim 1 differs from D3 in that claim 1 additionally comprises dispersed polysiloxanes. The treated fabrics in D3 already show good pilling properties. The problem of the present application is, therefore, to find an alternative. The use of dispersed polysiloxanes in softener compositions is known, see e.g. D4 (claims, examples). An effect over D3 has not been demonstrated. Thus, the subject-matter of the claims is not inventive.
- 5) It should be also kept in mind that the softening agents are of quite different

nature. Also under this aspect there is no inventive step over the whole claimed range.

- 6) Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the above documents is not mentioned in the description, nor are these documents identified therein.
- 7) According to page 6 the dispersed polyorganosiloxane comprises an emulsifier, which is essential to the definition of the invention.

 Since independent claim 1 does not contain these features it does not meet the requirement following from Article 84 EPC taken in combination with Rules 29(1) and (3) EPC that any independent claim must contain all the technical features essential to the definition of the invention.
- 8) In view of claim 1 the polyorganosiloxanes are not anionic, thus anionic on page 6, par. 6 has not been deleted.
 In view of claim 1 the term usually at page 6, par. 7 has not been deleted.
 According to page 17 there are hydrocarbon based fabric softeners whereas in claim 1 there are fabric softeners.
- 9) There are doubts if all the formulas at pages 14-16 are really fatty alkanolamides since the alkanol is not always situated at the nitrogen atom of the amide.
- 10) The SI units have not been additionally added at pages 23-25 (Rule 10.1 PCT).
- 11) The curing step in textile treatment usually takes several minutes and not several hours as described at page 1.



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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| | T | Secret Transmitted of International Course Donard |
|---|---|---|
| Applicant's or agent's file reference | (Form PCT/I | tion of Transmittal of International Search Report SA/220) as well as, where applicable, item 5 below. |
| HF/2-22104/P International application No. | ACTION International filing date (day/month/year | (Earliest) Priority Date (day/month/year) |
| | | |
| PCT/EP 00/09394 | 26/09/2000 | 05/10/1999 |
| Applicant | | |
| 0.704 0.050741.7V 0.05070.41.0 | WOLDTHO THO I | |
| CIBA SPECIALTY CHEMICALS | HOLDING INC. et al. | |
| This International Search Report has bee according to Article 18. A copy is being tra | | Authority and is transmitted to the applicant |
| This International Search Report consists It is also accompanied by | of a total of sheets. a copy of each prior art document cited in | n this report. |
| Basis of the report | | |
| With regard to the language, the language in which it was filed, unlined. | international search was carried out on th less otherwise indicated under this item. | e basis of the international application in the |
| the international search w Authority (Rule 23.1(b)). | ras carried out on the basis of a translatio | n of the international application furnished to this |
| b. With regard to any nucleotide ar was carried out on the basis of th | | the international application, the international search |
| I — | onal application in written form. | |
| filed together with the inte | ernational application in computer readable | e form. |
| furnished subsequently to | this Authority in written form. | |
| furnished subsequently to | this Authority in computer readble form. | |
| | bsequently furnished written sequence list as filed has been furnished. | ing does not go beyond the disclosure in the |
| the statement that the info furnished | ormation recorded in computer readable for | orm is identical to the written sequence listing has been |
| 2. Certain claims were fou | nd unsearchable (See Box I). | |
| 3. Unity of invention is lac | king (see Box II). | |
| 4. With regard to the title, | | |
| the text is approved as su | ubmitted by the applicant | |
| 1 75 | shed by this Authority to read as follows: | |
| FABRIC SOFTENER COMPOS | | |
| | | |
| E Mith regard to the abetract | | |
| 5. With regard to the abstract, | ubmitted by the applicant. | |
| the text has been establis | shed, according to Rule 38.2(b), by this Au | athority as it appears in Box III. The applicant may, the report, submit comments to this Authority. |
| 6. The figure of the drawings to be pub | lished with the abstract is Figure No. | |
| as suggested by the appl | icant. | None of the figures. |
| because the applicant fai | led to suggest a figure. | |
| because this figure better | characterizes the invention. | |

WO 01/25381 PCT/EP00/09394

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NOTICE INFORMING THE APPLICANT OF THE COMMUNICATION OF THE INTERNATIONAL APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

From the INTERNATIONAL BUREAU

CIBA SPECIALTY CHEMICALS HOLDING

INC.

Patentabteilung Klybeckstrasse 14

CH-4057 Basle SUISSE

. 9. North

Ressort PTM, St

Date of mailing (day/month/year)

12 April 2001 (12.04.01)

Applicant's or agent's file reference

HF/2-22104/PCT

International application No. PCT/EP00/09394

IMPORTANT NOTICE

International filing date (day/month/year) 26 September 2000 (26.09.00)

Priority date (day/month/year) 05 October 1999 (05.10.99)

Applicant

CIBA SPECIALTY CHEMICALS HOLDING INC. et al

1. Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this Notice: AU, KP, KR, US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present Notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

AE,AG,AL,AM,AP,AT,AZ,BA,BB,BG,BR,BY,BZ,CA,CH,CN,CR,CU,CZ,DE,DK,DM,DZ,EA,EE,EP,ES, FI,GB,GD,GE,GH,GM,HR,HU,ID,IL,IN,IS,JP,KE,KG,KZ,LC,LK,LR,LS,LT,LU,LV,MA,MD,MG,MK, MN, MW, MX, MZ, NO, NZ, OA, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this Notice is a copy of the international application as published by the International Bureau on 12 April 2001 (12.04.01) under No. WO 01/25381

REMINDER REGARDING CHAPTER II (Article 31(2)(a) and Rule 54.2)

If the applicant wishes to postpone entry into the national phase until 30 months (or later in some Offices) from the priority date, a demand for international preliminary examination must be filed with the competent International Preliminary Examining Authority before the expiration of 19 months from the priority date.

It is the applicant's sole responsibility to monitor the 19-month time limit.

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination.

REMINDER REGARDING ENTRY INTO THE NATIONAL PHASE (Article 22 or 39(1))

If the applicant wishes to proceed with the international application in the national phase, he must, within 20 months or 30 months, or later in some Offices, perform the acts referred to therein before each designated or elected Office.

For further important information on the time limits and acts to be performed for entering the national phase, see the Annex to Form PCT/IB/301 (Notification of Receipt of Record Copy) and Volume II of the PCT Applicant's Guide.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

J. Zahra

Telephone No. (41-22) 338.83.38

Form PCT/IB/308 (July 1996)

Facsimile No. (41-22) 740.14.35

394582

Inten anal Application No

C11D1/62

C11D1/645

PCT/EP 00/09394 A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C11D3/37 C11D17/04 C11D3/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C11D C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | | | | |
|--|---|----------------------------|--|--|--|
| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. | | | |
| X | US 3.992 332 A (ZENON HEMSON JOSEPH) 16 November 1976 (1976-11-16) column 2; claims | 1,2,4,7, 9-16, 18-20 | | | |
| X | US 5 830 843 A (HUBESCH BRUNO ALBERT JEAN ET AL) 3 November 1998 (1998-11-03) column 19; examples | 1-3, 7-15, 17-21 | | | |
| A | GB 2 281 316 A (SASOL CHEMICAL IND) 1 March 1995 (1995-03-01) page 12 -page 13; claims; examples | 1-21 | | | |
| A | EP 0 459 822 A (UNILEVER PLC ;UNILEVER NV (NL)) 4 December 1991 (1991-12-04) claims; examples | 1-21 | | | |
| | -/ | | | | |

| Further documents are listed in the continuation of box C. | Patent family members are listed in annex. |
|---|--|
| Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed | "T" later document published after the international fiting date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family |
| Date of the actual completion of the international search | Date of mailing of the international search report |
| 12 January 2001 | 22/01/2001 |
| Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 | Authorized officer Pfannenstein, H |
| , we (401-10) 040-0010 | r amienstern, n |

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INTERNATIO L SEARCH REPORT

Inter. Inal Application No PCT/EP 00/09394

| 0.16 | | PC1/EP 00/0 | 3334 |
|------------|---|-------------|----------------------|
| | ation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Re | elevant to claim No. |
| A | EP 0 397 245 A (PROCTER & GAMBLE) 14 November 1990 (1990-11-14) examples | | 1 |
| A | EP 0 150 872 A (PROCTER & GAMBLE ;PROCTER & GAMBLE EUROP (BE)) 7 August 1985 (1985-08-07) page 18 | | 1 |
| A | US 5 407 588 A (BUTTERWORTH ROBERT M ET AL) 18 April 1995 (1995-04-18) claims; examples | | 1 |
| A | EP 0 133 562 A (HENKEL KGAA) 27 February 1985 (1985-02-27) page 4; claims; examples | | 1 |
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information on patent family members

Inten nal Application No PCT/EP 00/09394

| | | | | PCT/E | P 00/09394 |
|--|---|------------------|-------------------------|-----------------------|------------------|
| Patent document cited in search report | | Publication date | Patent family member(s) | | Publication date |
| US 3992332 | A | 16-11-1976 | NO | NE | |
| US 5830843 | Α | 03-11-1998 | BR | 9707252 A | 06-04-1999 |
| | | | CA | 2243955 A | 07-08-1997 |
| | | | CN | 1214725 A | 21-04-1999 |
| | | | EP | 0879275 A | 25-11-1998 |
| | | | JP | 11503487 T | 26-03-1999 |
| | | | WO | 9728239 A | 07-08-1997 |
| GB 2281316 | A | 01-03-1995 | AU | 7502694 A | 21-03-1995 |
| | | | WO | 9506097 A | 02-03-1995 |
| | | | GB | 2295626 A,B | 05-06-1996 |
| | | | ZA | 9406451 A | 12-04-1995 |
| EP 0459822 | A | 04-12-1991 | US | 5064544 A | 12-11-1991 |
| | | | US | 5174911 A | 29-12-1992 |
| | | | AU | 641014 B | 09-09-1993 |
| | | | AU | 7737691 A | 05-12-1991 |
| | | | BR | 9102246 A | 14-01-1992 |
| | | | CA | 2043503 A,C | 02-12-1991 |
| | | | DE | 69116737 D | 14-03-1996 |
| | | | DE | 69116737 T | 05-06-1996 |
| | | | ES | 2084105 T | 01-05-1996 |
| | | | JP | 2095451 C | 02-10-1996 |
| | | | JP | 4257371 A | 11-09-1992 |
| | | | JP | 7122216 B | 25-12-1995 |
| | | | KR | 9507824 B | 20-07-1995 |
| | | | ZA | 9104153 A | 27-01-1993 |
| EP 0397245 | Α | 14-11-1990 | AT | 118244 T | 15-02-1995 |
| | | | AU | 644357 B | 09-12-1993 |
| | | | AU | 5491290 A | 29-11-1990 |
| | | | BR | 9002233 A | 13-08-1991 |
| | | | CA | 2015736 A | 11-11-1990 |
| | | | CN | 1047336 A,B | 28-11-1990 |
| | | | CN | 1101071 A | 05-04-1995 |
| | | | DE | 69016695 D | 23-03-1995 |
| | | | DE | 69016695 T | 13-07-1995 |
| | | | DK | 397245 T | 03-04-1995 |
| | | | EG | 19472 A | 29-06-1995 |
| | | | ES | 2067647 T | 01-04-1995 |
| | | | GR | 3015030 T | 31-05-1995 |
| | | | IE | 66114 B | 13-12-1995 |
| | | | JP | 3033196 A | 13-02-1991 |
| | | | MX | 172021 B | 29-11-1993 |
| | | | NZ PT | 233580 A | 26-03-1993 |
| | | | | 94004 A,B | 08-01-1991 |
| | | | TR | 24664 A | 01-03-1992 |
| EP 0150872 | Α | 07-08-1985 | AT | 51892 T | 15-04-1990 |
| | | | CA DE | 1232412 A | 09-02-1988 |
| | | | GR | 3577107 D | 17-05-1990 |
| | | | JP | 850050 A 2055367 C | 18-04-1985 |
| | | | JP | 6057839 B | 23-05-1996 |
| | | | JP | 60215099 A | 03-08-1994 |
| | | | | | 28-10-1985 |
| | | | MX | 163030 B | 05-08-1991 |

INTERNATIONAL SEARCH REPORT

information on patent family members

ter. mal Api

Inter. Inal Application No PCT/EP 00/09394

| Patent document cited in search report | | Publication date | Patent family member(s) | | Publication date |
|--|---|---------------------|--|---|--|
| US 5407588 A | | 18-04-1995 | AU BR CA DE DE EP ES JP JP JP ZA | 633545 B 5050790 A 9000990 A 2011125 A,C 69026640 D 69026640 T 0385749 A 2085891 T 1913045 C 2269874 A 6041670 B 9001609 A | 04-02-1993 06-09-1990 19-02-1991 02-09-1990 30-05-1996 19-09-1990 05-09-1990 16-06-1996 09-03-1995 05-11-1990 01-06-1994 27-11-1991 |
| EP 0133562 | A | 27-02-1985 | DE ES ES ZA | 3329191 A 535089 D 8504913 A 8406252 A | 21-02-1985 01-05-1985 16-07-1985 29-05-1985 |